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**(54) PRODUCTION OF
POLYMERIZABLE
TRIORGANOSILYL
UNSATURATED
CARBOXYLATE**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide the subject high-purity compound without causing by-products in high yield by reacting an unsaturated carboxylic acid with a triorganosilane in the presence of a reducing double bond by using a dehydrogenating catalyst.

SOLUTION: An unsaturated carboxylic acid of formula I (R1 and R2 are each H, methyl or COOR4; R4 is H, an alkyl, an aryl, an aralkyl, etc.; R3 is H, methyl, CH2COOR4, etc.) is reacted with a triorganosilane of formula II (R5 to R7 are each an alkyl, a cycloalkyl, an aryl or an aralkyl) in the presence of a compound of formula III (R21 and R22 are each H, methyl, aryl, etc.; R23 is H, methyl, etc.; R24 is an

alkyl, an alkenyl, an aryl, etc.), and a dehydrogenating catalyst at -20 to 250°C to give a compound of the formula (R¹¹ and R¹² are each H, methyl or COOR¹⁴; R¹⁴ is an alkyl, an aryl, a triorganosilyl, etc.; R¹³ is H, methyl, CH₂COOR¹⁴, etc.). No triorganosilyl saturated carboxylate as an unfavorable by-product is formed by this method.

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